

CATALOG #	TYPE	
JOB NAME	WATTAGE	VOLTAGE

7" 1 T2.5 350 WATT MAXIMUM

IRR-07051

High Efficiency HIR™ Open Appearance Downlight

Specifications

Lamp

- Designed for horizontal double-ended RSC HIR™ tungsten halogen lamp (by others): 350W (T2.5) maximum. Rated 2000 hours, 10,000 initial lumens.
- Dimmable (controls by others).

Socket

- Horizontal. Double ended RSC R7s base.
- Porcelain body. Silicone leads.

Reflectors

- Upper: Ellipsoidal specular Alzak® aluminum.
- Lower: Low brightness parabolic specular Alzak aluminum, self-flanged.
- Optional reflector finishes and colors available.

Lens

- Tempered prismatic glass lens mounted to upper reflector.
- Integral power cut-off microswitch included for relamping safety.

Aluminum Housing

- Cool. Acrylic enameled 100% aluminum.
- Rustproof and corrosion resistant. Exceeds 1000 hour ASTM 5% salt spray test.

- Dissipates heat across entire surface area extending component life.
- Entire luminaire visible and serviceable from below through aperture.
- For top access, see Option -TA.
- Built-in plaster frame. Also see Option -79.

Outlet Box and Thermal Protection

- UL listed J-box with insulated removable cover. Prewired 14 GA (NEC) with ½" and ¾" knockouts.
- Thermal protector (per current NEC) provides automatic cut-off if rated temperature is exceeded.

Installation

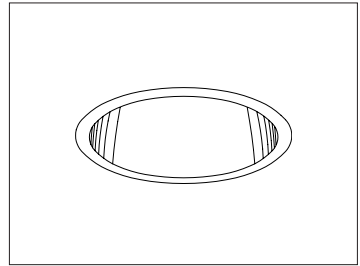
- 27" galvanized hanger bars supplied (2).
- Fully adjustable universal galvanized mounting brackets supplied (2).
- Recesses indoor or outdoor in covered ceilings.

UL, C-UL (Canada) Listings

- Wet, damp or dry locations, covered ceilings.
- Through-branch conductors (6 #12 AWG 90°C).

Three Year Limited Warranty

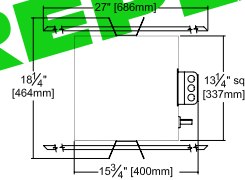
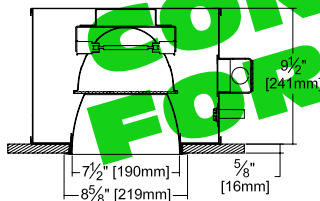
- Complete standard fixture.



Recessed Round
Open Appearance
Dual Reflector

Performance at a Glance

IRR-07051



Ceiling Cut-out
8" Dia.

Cone of Light Key

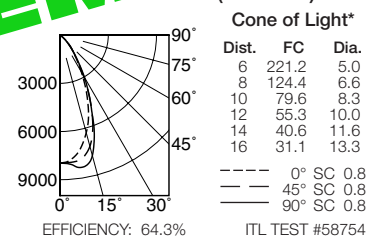
- Ft. Distance from fixture
- FC Footcandles at nadir (0°)
- Dia. Circle of light at 50% of FC

* Dia. (in ft.) shown is where FC value is half the FC at nadir.

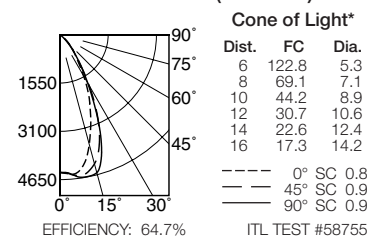


Exceptional
Energy
Efficiency

IRR-07051 (350 Watt)



IRR-07051 (225 Watt)



THE KIRLIN COMPANY

3401 EAST JEFFERSON AVENUE • DETROIT, MICHIGAN 48207-4232
(313) 259-6400 • Fax: (313) 259-9409 OR (313) 259-3121 • www.kirlinlighting.com

TUNGSTEN HALOGEN &
INCANDESCENT LIGHTING

MAXIMUM WATTAGE

350

CATALOG NUMBER

IRR-07051

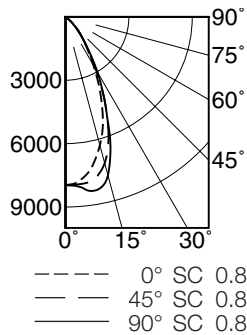
DUE TO OUR CONTINUING EFFORT TO IMPROVE PRODUCTS, TECHNICAL INFORMATION IS SUBJECT TO CHANGE WITHOUT NOTICE.

Alzak® is a registered trademark of ALCOA.

Detailed Photometry - Installed Fixture

Photometry from I.T.L., Boulder, CO

IRR-07051 (350 Watt)



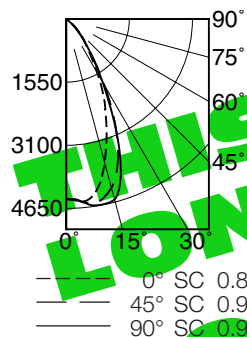
EFFICIENCY : 64.3%

CANDLEPOWER DISTRIBUTION					
	0.0	22.5	45.0	67.5	90.0
0	7963	7963	7963	7963	7963
5	7769	7835	7946	8059	8085
15	6286	6550	7166	7650	7763
25	3857	3982	4402	4668	4384
35	1722	1722	1784	1853	1884
45	724	712	681	633	588
55	62	58	51	46	41
65	3	3	3	3	3
75	2	1	1	1	2
85	0	0	0	0	0
90	0	0	0	0	0

COEFFICIENTS OF UTILIZATION							
RF	20						
RC	80				50		
RW	70	50	30	10	50	30	10
1	73	71	70	68	67	66	65
2	70	66	64	62	63	61	60
3	66	62	59	56	59	57	55
4	63	58	55	52	56	53	51
5	60	54	51	48	53	50	47
6	57	51	47	45	50	47	44
7	54	48	44	42	47	44	41
8	52	46	42	39	44	41	39
9	49	43	39	37	42	39	37
10	47	41	37	35	40	37	35

ITL TEST #58754

IRR-07051 (225 Watt)



EFFICIENCY : 64.7%

CANDLEPOWER DISTRIBUTION					
	0.0	22.5	45.0	67.5	90.0
0	4420	4420	4420	4420	4420
5	4494	4498	4512	4515	4499
15	3643	3620	4289	4551	4584
25	2224	2330	2844	3029	2791
35	974	1000	1111	1107	1094
45	442	427	396	365	354
55	35	38	31	30	28
65	2	2	2	3	3
75	1	1	1	1	1
85	0	0	0	0	0
90	0	0	0	0	0

COEFFICIENTS OF UTILIZATION							
RF	20						
RC	80				50		
RW	70	50	30	10	50	30	10
1	73	72	70	69	68	67	66
2	70	67	64	62	64	62	60
3	66	62	59	57	60	57	55
4	63	58	55	52	56	53	51
5	60	55	51	48	53	50	48
6	57	51	48	45	50	47	44
7	54	48	45	42	47	44	42
8	52	46	42	39	45	41	39
9	49	43	39	37	42	39	37
10	47	41	37	35	40	37	35

ITL TEST #58755

Options

Trims

- 16 Champagne Gold specular Alzak lower cone. (CP x .95)
- 30 All white lower cone. (CP x .95)
- 31 White flange (only) on self-flanged reflector.
- 32 White oversize trim ring. Specify O.D.
- 45 Gasket between ceiling and lower cone flange.
- 63 Dune specular Alzak lower cone. (CP x .93)

- 69 Wheat specular Alzak lower cone. (CP x .92)
- 70 SoftTex clear lower cone. (CP x .92)
- 71 SoftTex Dune lower cone. (CP x .89)
- 72 Black specular Alzak lower cone. (CP x .77)
- 79 Extension collar for ceilings up to 2" thick.
- 91 SoftTex Wheat lower cone. (CP x .88)
- 93 Pewter specular Alzak lower cone. (CP x .88)
- 94 Custom color/finish. Specify. Consult factory.

- OG OptiGroove black seamless tapered aluminum lower cone. White trim, self-flanged. (CP x .83)

Other

- 99 Special modification. Consult factory.
- LP With lamp. Specify wattage.
- TA Top access; for servicing from above ceiling.

SUBMITTAL DATA

APPROVAL STAMP

JOB NAME

TYPE

WATTAGE

VOLTAGE

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